

ABSTRACT

The present invention is directed toward a quick attach and detach mechanism for a tool attachment such as a router attachment for a router. The attachment system includes a mounting adapter which may be integrally formed with the router housing or attached to the router housing as a bolt-on plate. The system works by vertically installing the tool attachment with the mounting adapter and then twisting to secure the tool attachment to the mounting adapter. A rotational lock is provided to prevent the tool attachment from inadvertently backing off or coming loose. This lock can be manually actuated to allow for quick detachment when desired. The tool attachment system is shown in association with a router which has several disclosed benefits, however there may also be applications of the system in other types of tool attachments for which coverage is also sought.